

CLAIMS

1. A p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient to increase the absorption of drugs into the cell.
2. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1, wherein the dose of octylonium bromide is in the range between 0.01 mg/kg body weight and 1 g/kg body weight.
3. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1, wherein octylonium bromide is formulated as a slow release formula to sustain the release of octylonium bromide up to 12 hours.
4. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 3, wherein the above slow release formula is formulated by preparing uniform sized granules as a seed, by coating the granules with a composition containing octylonium bromide and by coating polymer that can control the release rate of the drug to form an external layer.
5. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1 that can be administered with other drugs simultaneously.
6. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1 that can be administered 5 ~ 60 minutes before administering other drugs.
7. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1, wherein the administration

route is selected from intravenous injection, intramuscular injection, intratumoral injection, subcutaneous injection, oral administration, intravesical administration or intraperitoneal administration.

- 5 8. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 7, wherein the type of the formulation is tablet or capsule.
- 10 9. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1, wherein the above drugs are selected from the group containing doxorubicin, daunorubicin, vinblastine, vincristine, actinomycin D, paclitaxel, teniposide, etoposide, cyclosporin A, FK506, lovastatin, terfenadine, aldosterone, hydrocortisone, cortisol, corticosterone, dexamethasone, domperidone, amprenavir, indinavir, nelfinavir, ritonavir, saquinavir, digoxin, quinidine, ondansetron, loperamide, colchicine, erythromycin, 15 ivermectin, rifampin and rhodamine 123.
10. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1 that is used to increase the absorption of anticancer drugs.
- 20 11. The p-glycoprotein inhibitor containing octylonium bromide as an effective ingredient according to Claim 1 that can be administered with drugs encapsulated in the oily solution comprising at least one selected from monoglyceride, oil and emulsifier.